

What is claimed is:

1. An internal-surface-scanning image recording apparatus for applying a light beam modulated with image information to a photosensitive medium mounted on a partly cylindrical inner circumferential surface of a support to record an image on the photosensitive medium, comprising:

5 a light source for outputting the light beam modulated with the image information;

10 a plurality of exposure heads disposed on a circular surface at an angularly spaced interval, for guiding the light beam outputted from said light source to the photosensitive medium; and

15 a switcher disposed between said light source and said exposure heads, for guiding the light beam outputted from said light source to a selected one of said exposure heads which faces the photosensitive medium;

20 whereby said light beam can be guided selectively to the exposure heads to record an image on said photosensitive medium.

25 2. An internal-surface-scanning image recording apparatus according to claim 1, wherein said light source, said switcher, and said exposure heads are connected by optical fibers.

3. An internal-surface-scanning image recording

apparatus according to claim 1, wherein said light source comprises a plurality of laser diodes for outputting respective laser beams to be modulated with the image information, each of said exposure heads having means for applying said laser beams outputted from said laser diodes simultaneously to said photosensitive medium.

4. An internal-surface-scanning image recording apparatus according to claim 1, wherein said angularly spaced interval at which said exposure heads are disposed on the circular surface corresponds to an angle subtended by said partly cylindrical inner circumferential surface at a central axis thereof.

15 5. An internal-surface-scanning image recording apparatus according to claim 1, wherein said switcher comprises optical waveguides for electrically controlling a path of said light beam.

20 6. An internal-surface-scanning image recording apparatus according to claim 1, further comprising an optical fiber connected to said light source, wherein said switcher comprises a movable member for selectively connecting said optical fiber to said exposure heads.